

NWS FORM E-19 (COVER)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

REPORT ON RIVER GAGE STATION

REVISED, PRINTED DATES: 08/22/2010, 08/22/2010

LOCATION: WEBSTER DAM
STREAM: WEBSTER RESERVOIR
BASIN: SOLOMON 1 HSA: GID

REFERENCES:
USBR
USGS STATION DESCRIPTION 11/10/1999.

ABBREVIATIONS:

BM	- bench mark	EPA	- Environmental Protection Agency
DS	- downstream	IBWC	- International Boundary and Water Comm.
US	- upstream	MSRC	- Mississippi River Commission
HW	- high water	MORC	- Missouri River Commission
LW	- low water	NOAA	- National Oceanic and Atmospheric Admin.
RB	- right bank	NOS	- National Ocean Survey
LB	- left bank	NWS	- National Weather Service
MGL	- mean gulf level	TVA	- Tennessee Valley Authority
MLW	- mean low water	USACE	- U.S. Army Corps of Engineers
MSL	- mean sea level	USBR	- U.S. Bureau of Reclamation
MLT	- mean low tide	USGS	- U.S. Geological Survey
MT	- mean tide	USWB	- U.S. Weather Bureau
WQ	- water quality	NGVD	- National Geodetic Vertical Datum
RM	- reference mark	NAD	- North American Datum
RP	- reference point		

LOCATION IDENTIFICATION: STCK1
NWS INDEX NUMBER: 14-8648-2
USGS NUMBER: 06873100

MAP OF GAGE LOCATION

LATITUDE: 39 23 29 SOURCE: USGS
LONGITUDE: 99 25 33

LOCATION: WEBSTER RESERVOIR SSE WEBSTER DAM, KS
ID: STCK1 HSA: GID

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BENCHMARKS

ELEVATION OF GAGE ZERO: 1936.510
 LEVELING AGENCY AND DATE: LEVEL
 RATING AGENCY:

VERTICAL DATUM: NGV DATUM 1929
 CHECKBAR: 1947.153

BENCHMARK	DESCRIPTION	GAGE ZERO	DATUM
BM-1	A USBR BRASS CAP STAMPED IN 'SOUTH MASTER BENCHMARK' ABOUT A HUNDRED FEET UPSTREAM FROM STATION 2+00.	6.443	1942.953
BM-2	A USBR BRASS CAP ABOUT 400 FT UPSTREAM FROM STATION 9+00.	-2.950	1933.560
RM-1	BRONZE MARKER IN TOP OF CONCRETE AT LEFT DOWNSTREAM CORNER OF SPILLWAY STRUCTURE AT EDGE OF ROADWAY OVER DAM.	8.250	1944.760
RM-2	CHISELED SQUARE IN TOP OF CONCRETE CURB IN FENCED CONTROL AREA 3 FT SOUTH OF NORTHWEST CORNER.	7.740	1944.250
RP-1	TOP OF FENCE POST LOCATED AT NW CORNER OF GAUGE HOUSE. ESTABLISHED AUGUST 2, 1977.	-13.670	1922.840
RP-10	FENCE POST AT STREET L AND 90 DEGREES ON OLD ORIFICE 30 FT NORTHWEST OF RP-8. ESTABLISHED 10/21/1992.		
RP-2	TOP OF FENCE POST LOCATED AT SE CORNER OF GAUGE HOUSE. ESTABLISHED 3/11/1982.	-13.036	1923.474
RP-3	LAG BOLT IN TREE NEAREST THE WATER ABOUT 8 FT SOUTH OF ORIFICE LINE. ESTABLISHED 1/3/1985.	-48.444	1888.066
RP-4	PAINTED ORANGE FENCE POST IN ORIFICE LINE WITH TWO MARKS ON TOP. ESTABLISHED 12/6/1983.	-71.390	1865.120
RP-5	PAINTED YELLOW TOP GREEN FENCE POST IN ORIFICE LINE WITH THREE MARKS ON TOP. ESTABLISHED 12/6/1983.	-74.220	1862.290
RP-6	TOP OF FENCE POST 30 FT WEST OF REFERENCE POINT 3 LAG IN TREE. ESTABLISHED 6/18/1987.	-56.607	1879.903
RP-8	FENCE POST PAINTED ORANGE APPROXIMATELY 100 FT WEST OF RP-6 TOWARD WATER AND 10 FT SOUTH OF ORIFICE. ESTABLISHED 4/23/1991.	-64.149	1872.361
RP-9	FENCE POST PAINTED ORANGE APPROXIMATELY 150 FT WEST OF RP-6 TOWARD WATER. 10 FT SOUTH OF ORIFICE. ESTABLISHED 4/23/1991.	-68.911	1867.599

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GAGES

DCP

TELEM

NESS ID: 348BF442

TYPE OF TELEMETRY: dedicated

OWNER: USBR

OWNER: USBR

REPORT TIME: 0038

PHONE NUMBER:

INTERVAL: 60

INTERVAL:

CRITERIA: old id 346f9114

PAYOR/COST OF LINE: Unk / \$

GAGE TYPE	OWNER	MAINTENANCE	BEGAN	ENDED	GAGE LOCATION/REMARKS
wireweight	USBR	USBR	05/03/1956	12/31/2050	WIREWEIGHT IS LOCATED ON THE UPSTREAM SIDE OF FENCED SPILLWAY CONTROL AREA AND IMMEDIATELY UPSTREAM FROM SPILLWAY GATES. CHECKBAR IS 1947.153 FT. IT IS EFFECTED WHEN RESERVOIR IS 1875 FT OR HIGHER.
Other	USBR	USBR	06/16/1957	07/31/1968	STEVENS RECORDER HOUSED IN METAL BOX SPILLWAY CONTROL AREA...OVER 10 INCH PIPEWELL AND WAS EFFECTIVE FOR RESERVOIR ELEVATION ABOVE 1873 FT.
Other	USBR	USBR	08/01/1968	03/18/1992	A STEVENS RECORDER HOUSED IN 4 X 4 X 8 FT STEEL SHELTER ON SE SHORE NEAR DAM.
bubble	USBR	USBR	03/18/1992	05/26/1999	MOVED MANOMETER AND GRAPHIC RECORDER TO CONTROL STRUCTURE DOWNSTREAM OF DAM AND CONNECTED MANOMETER TO RESERVOIR ELEVATION SENSOR LINE.
pres trans	USBR	USBR	08/15/1995	07/10/1996	INSTALLED A DESIGN ANALYSIS H-350 FLUID TRANSDUCER AND A SUTRON 8200 DATA LOGGER WITHOUT TRANSMITTER.
bubble	USBR	USBR	07/10/1996	12/31/2050	

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HISTORY

PUBLICATION/LOCATION OF RECORDS	STARTING DATE	ENDING DATE
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TYPE OF GAGE	OWNER	STARTING DATE	ENDING DATE
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wireweight	USBR	05/03/1956	12/31/2050
Other	USBR	06/16/1957	07/31/1968
Other	USBR	08/01/1968	03/18/1992
bubble	USBR	03/18/1992	05/26/1999
pres trans	USBR	08/15/1995	07/10/1996
bubble	USBR	07/10/1996	12/31/2050

ZERO ELEVATION	STARTING DATE
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CRESTS

FLOOD STAGE: 0.00 ACTION STAGE: 0.00 BANKFULL STAGE: 0.00
 FLOOD FLOW: 0 ACTION FLOW:

DATE OF CREST	TIME LST	CREST (ft)	FLOW (CFS)	FROM HIGH WATERMARKS	BASED ON OLD DATUM	CAUSED BY ICE JAM	REMARKS

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LOW WATER RECORDS

DATE OF LOW WATER	STAGE (ft)	FLOW (CFS)	REMARKS
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CONDITIONS AFFECTING FLOW

MILES ABOVE MOUTH: 92.4 DRAINAGE AREA: 1150.0 POOL STAGE: 1888.2

STREAM BED:

REACH:

REGULATION: COMPACTED EARTH FILLED STRUCTURE ABOUT 1.7 MILES LONG AND
100 FT MAXIMUM HEIGHT ABOVE ORIGINAL CHANNEL. EARTHEN DAM
FOR WATER STORAGE...FLOOD CONTROL AND IRRIGATION.

DIVERSION:

WINTER:

TOPOGRAPHY:

REMARKS:

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DAMAGE

STAGE	AREAS AFFECTED
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RIVER STAGE DATA

REACH:

ELEVATION ZERO: 1936.51

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CONTACTS

SQ	CONTACT/REMARKS	PHONE
1	LARRY BARNETT	785-839-4326
	HE WORKS FOR THE BUREAU OF RECLAMATION AND IS OUR COOP OBSERVER.	

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